

PATENT  
TH1754 (US)  
DFH:EM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the accompanying application of )  
 )  
JOHN F. KNIFTON, TALMADGE G. JAMES, )  
PAUL R. WEIDER, JOSEPH B. POWELL, )  
EDWARD L. NIELSEN, and )  
GLENN C. KOMPLIN )

REDUCTION OF THE VISCOSITY OF )  
REACTIVE HEAVY BYPRODUCTS )  
DURING THE PRODUCTION OF )  
1,3-PROPANEDIOL )

October 1, 2003

COMMISSIONER FOR PATENTS  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

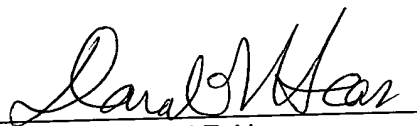
INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56 AND 1.97

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents are enclosed.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

Respectfully submitted,

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FORM PTO-1449 (Modified)  LIST OF INFORMATION PROVIDED BY APPLICANT  (Use several sheets if necessary)	ATTY. DOCKET NO. TH1754 (US)	APPLICATION NUMBER
	APPLICANT J. F. Knifton et al.	
	FILING DATE	GROUP ART UNIT

U.S. PATENT DOCUMENTS							
REFERENCE DESIGNATION	Examiner Initial	Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	3,511,880	5/12/70	Booth	260	604	
	AB	4,242,284	12/30/80	Harris et al.	568	454	
	AC	4,861,918	8/29/89	Miller et al.	568	454	
	AD	5,744,649	4/28/98	Bryant et al.	568	454	
	AE						
	AF						

FOREIGN PATENT DOCUMENTS							
	Document No.	Date	Country	Class	Subclass	Translation	
						Yes	No
	AL						
	AM						
	AP						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
AR	"Properties of the Principal Fats, Fatty Oils, Waxes, Fatty Acids and Their Salts," by M. P. Doss, The Texas Company, 1952,
AS	Rodds' Chemistry of Carbon Compounds, p. 87
AT	" $\beta$ -Hydroxypropionic Acid," Organic Synthesis, Collective, Vol. 1, 2nd Edition, p. 321
AU	"Surface-Active Derivatives, Soaps, and Detergents," by W. M. Lynfield
AV	"Complex Formation between Carboxylic Acids and Divalent Metal Cations," by R. Keith Cannan and Andre Kibrick, J. Amer. Chem. Soc., 60, (1938) pp. 2314-2320

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.